

U.S. EPA REGION III **Analytical Services & Quality Assurance Branch** Fort Meade, Maryland

ASQAB LABORATORY REPORT FINAL DATA

NEW JERSEY FIREWORKS

Lab Request #: **REQ04200** Request Form #: DAS R31935

Report prepared on: September 13, 2004

Approval for release:

QAB Representative

Site contact(s): Lorie Baker (3HS34) Phill Anderson

SITE NAME:

NEW JERSEY FIREWORKS

LAB REQUEST # REQO

REQ04200

SAMPLE DESCRIPTIONS

					
Sample #	Station	Description	<u>Matrix</u>	Type	End Collection Date Time
04080401	S24	R31935-S24	Other Solid Matrices	GRAB	08/03/2004 10:45
04080402	S25	R31935~S25	Other Solid Matrices	GRAB	08/03/2004 10:00
04080403	SS11	R31935-SS11	Other Solid Matrices	GRAB	08/03/2004 12:40
04080404	SS13	R31935-SS13	Other Solid Matrices	GRAB	08/03/2004 12:10
04080405	SS14	R31935-SS14 ₁	Other Solid Matrices	GRAB	08/03/2004 11:35
04080406	SS21	R31935-SS21	Other Solid Matrices	GRAB	08/03/2004 10:05
04080407	SS22	R31935-SS22	Other Solid Matrices	GRAB	08/03/2004 10:25
04080408	SS23	R31935-SS23	Other Solid Matrices	GRAB	08/03/2004 11:10
04080409	SS24	R31935-SS24	Other Solid Matrices	GRAB	08/03/2004 10:50
04080410	PW5	R31935-PW5	Ground Water	GRAB	08/03/2004 11:40
04080411	S11	R31935-S11	Other Solid Matrices	GRAB	08/03/2004 12:30
04080412	S12	R31935-S12	Other Solid Matrices	GRAB	08/03/2004 14:16
04080413	S13	R31935-S13	Other Solid Matrices	GRAB	08/03/2004 12:05
04080414	S14	R31935-S14	Other Solid Matrices	GRAB	08/03/2004 11:30
04080415	S15	R31935-S15	Other Solid Matrices	GRAB	08/03/2004 12:35
04080416	S16	R31935-S16	Other Solid Matrices	GRAB	08/03/2004 14:06
04080417	S21	R31935-S21	Other Solid Matrices	GRAB	08/03/2004 09:55
04080418	S22	R31935-S22	Other Solid Matrices	GRAB	08/03/2004 10:20
04080419	S23	R31935-S23	Other Solid Matrices	GRAB	08/03/2004 11:05
04080506	GW1	R31935-GW1	Ground Water	GRAB	08/04/2004 09:40
04080507	GW2	R31935-GW2	Ground Water	GRAB	08/04/2004 09:00
04080508	GW3	R31935-GW3	Ground Water	GRAB)	08/04/2004 13:25
04080509	MW1	R31935-MW1	Ground Water	GRAB	08/04/2004 10:30
04080510	MW1A	R31935-MW1A	Water - Type Unspecified	GRAB	08/04/2004 11:10
04080511	MW2	R31935-MW2	Water - Type Unspecified	GRAB	08/04/2004 12:20
04080512	MW3	R31935-MW3	Water - Type Unspecified	GRAB	08/04/2004 13:25
04080513	MW3A	R31935-MW3A	Water - Type Unspecified	GRAB	08/04/2004 14:00
04080514	MW4	R31935-MW4	Water - Type Unspecified	GRAB	08/04/2004 10:45
04080610	SED1	R31935-SED1	Other Solid Matrices	GRAB	08/05/2004 11:25
04080611	SED2	R31935-SED2	Other Solid Matrices	GRAB	08/05/2004 11:45
04080612	SED3	R31935-SED3	Other Solid Matrices	GRAB	08/05/2004 11:20
04080613	SED4	R31935-SED4	Other Solid Matrices	GRAB	08/05/2004 10:25
04080614	SED5	R31935-SED5	Other Solid Matrices	GRAB	08/05/2004 09:50
				31410	, 05, 200- 05.00

NA PARA

SITE NAME:

NEW JERSEY FIREWORKS

LAB REQUEST #

REQ04200

SAMPLE DESCRIPTIONS

Sample #	Station	Description			Type	Date	Time
04080615	SED6	R31935-SED6		Other Solid Matrices	GRAB	08/05/200	4 09:35
04080616	SED7	R31935-SED7		Other Solid Matrices	GRAB	08/05/200	4 08:50
04080617	SED8	R31935-SED8		Other Solid Matrices	GRAB	08/05/200	4 08:55
04080618	SW1	R31935-SW1		Surface Water	GRAB	08/05/200	04 11:20
04080619	SW2	R31935-SW2		Surface Water	GRAB	08/05/200	04 11:40
04080620	SW3	R31935-SW3	***	Surface Water	GRAB	08/05/200	04_11:15
04080621	SW4	R31935-SW4		Surface Water	GRAB	08/05/200	04 10:20
04080622	SW5	R31935-SW5		Surface Water	GRAB	08/05/200	04 09:45
04080623	SW6	R31935-SW6		Surface Water	GRAB	08/05/200	04 09:30
04080624	SW7	R31935-SW7		Surface Water	GRAB	08/05/200	
04080625	SW8	R31935-SW8		Surface Water	GRAB	08/05/200	
04080626	SW9	R31935-SW9		Surface Water	GRAB	08/05/200	
					Gigm	,,	

REQUEST #: REQ04200						T	ESTS	RE	QUE	STE	D										
INORGANICS	, , , , , , , , , , , , , , , , , , ,	0.	4080	4														·			
			1 02		04	0.5	06	07	08	09	10 1	1 1	L2 1	13	14	15 1	6 1	.7 1	8 19	l	
Percent Dry Weight			хх	X	X	Х	X	X	х	X	-	x	X .	x	x	x :	Κ .	X 3	x	ĺ	
Perchlorate by IC		:	x x	X	Х	Х	Х	Х	х	Х	x :	x	x	х	X	X :	K .	X 3	X		
INORGANICS) .	. 0	4080	5																	
Perchlorate by IC			X X										-								~
INORGANICS		0	4080	6		-l	_1		——.k.												
		1	0 1:	1:	2 13	14	1 15	16	17	18	19 2	20 2	21	22	23	24 2	5 2	26			
Percent Dry Weight			х	X	X	X	X	X	х		\top	1									
Perchlorate by IC			х х	Х	X	Х	Х	Х	х	х	Х	х	x	х	х	X	X	X			

(X = Test Requested)

USEPA Region III Analytical Services & Quality Assurance Branch

SITE NAME: NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

OUALIFIER CODE AND GLOSSARY DEFINITIONS

Qualifier Codes Applied to Sample Results (NOTE: for organic analyses only detected target compounds are reported)

- B Not detected substantially above (10 times) the level reported in the laboratory or field blanks (includes field, trip, rinsate, and equipment blanks).
- C See report narrative for analyst's comments and observations concerning this result.
- E Value exceeds a theoretically greater value (e.g., dissolved>total, orthophosphate>total phosphorus). However, the difference is within the expected precision of the analytical techniques and is not statistically significant.
- J The identification of the analyte is acceptable; the reported value is an estimate.
- K The identification of the analyte is acceptable; the reported value may be biased high. The actual value is expected to be less than the reported value.
- I The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
- N There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification.
- NJ There is presumptive evidence that the analyte is present; the analyte is reported as a tentative identification. The reported value is an estimate.
- NA Not analyzed analysis not performed.
- NR Not requested analysis not requested.
- R The presence or absence of the analyte can not be determined from the data due to severe quality control problems.
- The data are rejected and considered unusable.
- T Tentatively Identified Compound. Identified as a result of a library search using the EPA/NIST Mass Spectral Library.
- Standards were not used to verify the identity and quantity of the compound. The reported value is an estimate.
- U The analyte was not detected at or above the reporting limit.
- UJ The analyte was not detected at or above the reporting limit. The reporting limit is an estimate.
- UL The analyte was not detected. The reporting limit is probably higher due to indications of a low bias.
- < Less than.

Qualifier Codes Applied to Quality Control Results

- A Quality control value is outside acceptance limits.
- D Sample and/or laboratory duplicate values are below the reporting limit. No precision data reported.
- TD Spike recovery too dilute for accurate quantitation.

Qualifier Codes Applied to Microbiology Results

- < Less than.
- <= Less than or equal to.</p>
- >= Greater than or equal to.
- > Greater than.

Glossary:

- () Numbers in parentheses are analytical spike recoveries (e.g., post-digestion spikes).
- [] Numbers in brackets are matrix spike recoveries (e.g., pre-digestion spikes).
- CFU Colony Forming Unit.
- ISF A prepared sample aliquot fortified with a known concentration of target analyte(s) or a representative subset of target analytes and analyzed. Its purpose is to determine whether the sample matrix contributes bias to the analytical results.
- LSF A sample aliquot fortified with a known concentration of analyte(s) or a representative subset of target analytes and carried throughout the entire lab method. It is analyzed to determine whether the sample matrix contributes bias to the analytical results.
- MS/MSD Matrix spike/matrix spike duplicate; a known increment of target analyte added to a sample before preparation or analyses.
- MSA Value obtained by Method of Standard Additions in which calibration standards are prepared in the sample matrix
- (see EPA method 200.9).
- RPD Relative Percent Difference (RPD) is used to measure precision when duplicates are analyzed.
- Rec Percent Recovery (Rec) is an expression of accuracy.



SITE NAME

: NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

	•					
	SAMPLE NUMBER:	04080401	04080402	04080403	04080404	04080405
	STATION ID:	S24	S25	SS11	SS13	SS14
		SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE
Percent Dry Weight	t					
Percent Dry Weig	ght (105C)	86.5 %	70.3 %	84.9 %	89.8 %	85.7 %
Perchlorate by IC						
	, y r kanaminthe ar e anne a meetermen					
Perchlorate		<0.005 mg/Kg	0.045 N mg/Kg	<0.005 mg/Kg	<0.005 mg/Kg	<0.005 mg/Kg

SITE NAME

: NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

SAMPLE NUM		'04080407 SS22	04080408 SS23	04080409 SS24	04080410 PW5
	SAMPLE	Sample	Sample	SAMPLE	SAMPLE
Percent Dry Weight			5.		
Percent Dry Weight (105C)	84.9 %	79.4 %	84.7 %	84.6 %	
Perchlorate by IC	÷.				
e de la companya de			www.marchineses		•
Perchlorate	0.036 N mg/Kg	2.09 N mg/Kg	<0.005 mg/Kg	<0.005 ma/Ka	21.0 N ug/L

.

.

1

٩.

Milita

SITE NAME

: NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

SAMPLE NUMBER: STATION ID:	04080411 S11 SAMPLE	04080412 S12 SAMPLE	04080413 S13	04080414 S14	04080415 S15 SAMPLE
Percent Dry Weight	OMPUD	SAMPLE	SAMPLE	SAMPLE	
Percent Dry Weight (105C)	72.3 % :	78.4 %	89.4 %	82.6 %	83.5 %
erchlorate by IC					
			A SALAR PARTY OF THE SALAR PARTY		
Perchlorate	<0.005 mg/Kg	0.006 N mg/Kg	0.025 N mg/Kg	0.018 N mg/Kg	0.009 N mg/Kg

SITE NAME

: NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

•	SAMPLE NUMBER: STATION ID:	04080416 S16 SAMPLE	04080417 S21 SAMPLE	04080418 S22 SAMPLE	04080419 S23 SAMPLE	04080506 GW1 SAMPLE
Percent Dry Weight		J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		څ		
Percent Dry Weight	(105C)	78.5 %	71.9 %	80.9 %	89.1 %	
Perchlorate by IC						
Perchlorate	graph C per	<0.005 mg/Kg	0.062 N mg/Kg	0.007 N ma/Ka	<0.005 mg/Kg	<1.00 ug/L

SITE NAME

: NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

	SAMPLE NUMBER:	04080507	04080508	04080509	04080510	04080511
	STATION ID:	GW2	GW3	MW1	MW1A	MW2
		SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE
ercent Dry Weight				-		
Percent Dry Weigh	at (105C)					
		Ł				
erchlorate by IC						
Perchlorate		385 N ug/L	4.79 N ug/L	<1.00 ug/L	<1.00 ug/L	<1.00 ug/L



SITE NAME

: NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

S	AMPLE NUMBER:	04080512	04080513	04080514	04080610	04080611
S	STATION ID:	MW3	MW3A	MW4	SED1	SED2
		SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE
Percent Dry Weight				*		
Percent Dry Weight	(105C)				79.7 %	79.8 %
		3 ,				
Perchlorate by IC						

SITE NAME

: NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

	SAMPLE NUMBER:	04080612	04080613	04080614	04080615	04080616	
	STATION ID:	SED3	SED4	SED5	SED6	SED7	
		· SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	
Percent Dry Weight	•				Marie Control		
Percent Dry Weig	ht (105C)	64.8 % :	80.1 %	61.0 %	74.0 %	63.6 %	
Perchlorate by IC						-	-
Perchlorate		<0.005 mg/Kg	<0.005 mg/Kg	<0.005 mg/Kg	0.103 N mg/Kg	<0.005 mg/Kg	

SITE NAME

: NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

SAMPLE NUM	BER: 04080617	04080618	04080619	04080620	04080621
STATION ID	: SED8	SW1	SW2	sw3	SW4
	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE
Percent Dry Weight		·	<u></u>		
Percent Dry Weight (105C)	68.0 %				
annell annels has TO	i ,				
Perchlorate by IC	a see		12 12 12 12 14 14 14 14 14 14 14 14 14 14 14 14 14		
Perchlorate	<0.005 mg/Kg	<1.00 ug/L	<1.00 ug/L	<1.00 ug/L	<1.00 ug/L

SITE NAME

: NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

	SAMPLE NUMBER: STATION ID:	04080622 SW5	04080623 SW6	04080624 SW7	04080625 SW8	04080626 SW9
		SAMPLE	SAMPLE	Sample	SAMPLE	SAMPLE
rcent Dry Weight						-
ercent Dry Weight	(105C)					
chlorate by IC						
remotate by it						
Perchlorate		<1.00 ug/L	8.51 N ug/L	7.65 N ug/L	7.52 N ug/L	<1.00 ug/L

Page 1 of 3

SITE NAME:

NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

INORGANIC QUALITY CONTROL RESULTS

	SAMPLE NUMBER: STATION ID:	04080406 SS21		04080411 S11	04080417 S21		04080419 S23
	Units:	% REC	RPD	RPD	% REC	RPD	RPD
Percent Dry Weight							AND THE PARTY OF T
Percent Dry Weight (105c)		•		2			1
erchlorate by IC							
Perchlorate		· [90]	19		[92]	5	
						4	w

SITE NAME:

NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

INORGANIC QUALITY CONTROL RESULTS

	SAMPLE NUMBER: STATION ID:	04080514 MW4	,	04080610 SED1	04080617 SED8		04080626 SW9
	Units:	% REC	RPD	RPD	% REC	RPD	% REC
Percent Dry Weight							
Percent Dry Weight (105c)				0			
Perchlorate by IC	į						
Perchlorate		[94]	5 .		[89]	D	[94]

Page 3 of 3

SITE NAME:

NEW JERSEY FIREWORKS

LAB REQUEST #: REQ04200

INORGANIC QUALITY CONTROL RESULTS

SAMPLE NUMBER:

04080626

STATION ID:

Units:

SW9

RPD

Percent Dry Weight

Percent Dry Weight (105c)

Perchlorate by IC

Perchlorate

[] = LSF

() = ISF

Site Name : 1

NEW JERSEY FIREWORKS

Lab Request #: REQ04200

Wet Dry Conversion Table

The wet/dry weight conversion table is presented for the convenience of the data user. The attached analyst narratives state whether a test was determined on a wet or dry weight basis. Any difference in significant figures between the two columns is an artifact of the reporting function and does not imply that the calculated value has greater precision than the measured value.

Sample Number	Station ID						Units	<u>Wet</u>	Dry
04080401	S24	SAM	Percent Dry Weight	86.5	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080402	S25	SAM	(105C) Percent Dry Weight (105C)	70.3	Perchlorate by IC	Perchlorate	mg/Kg	0.045 N	0.064 N
04080403	SS11	SAM	Percent Dry Weight (105C)	84.9	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080404	SS13	SAM	Percent Dry Weight (105C)	89.8	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080405	SS14	SAM	Percent Dry Weight (105C)	85.7	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080406	SS21	SAM	Percent Dry Weight (105C)	84.9	Perchlorate by IC	Perchlorate	mg/Kg	0.036 N	0.042 N
04080407	SS22	SAM	Percent Dry Weight (105C)	79.4	Perchlorate by IC	Perchlorate	mg/Kg	2.09 N	2.63 N
04080408	SS23	SAM	Percent Dry Weight (105C)	84.7 ·	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080409	SS24	SAM	Percent Dry Weight (105C)	84.6	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080411	S11	SAM	Percent Dry Weight (105C)	72.3	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.007
04080412	S12	SAM	Percent Dry Weight (105C)	78.4	Perchlorate by IC	Perchlorate	mg/Kg	0.006 N	0.008 N
04080413	S13	SAM	Percent Dry Weight (105C)	89.4	Perchlorate by IC	Perchlorate	mg/Kg	0.025 N	0.028 N
04080414	S14	SAM	Percent Dry Weight (105C)	82.6	Perchlorate by IC	Perchlorate	mg/Kg	0.018 N	0.022 N
04080415	S15	SAM	Percent Dry Weight (105C)	83.5	Perchlorate by IC	Perchlorate	mg/Kg	0.009 N	0.011 N
04080416	S16	SAM	Percent Dry Weight (105C)	78.5	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080417	S21	SAM	Percent Dry Weight (105C)	71.9	Perchlorate by IC	Perchlorate	mg/Kg	0.062 N	0.086 N
04080418	S22	SAM	Percent Dry Weight (105C)	80.9	Perchlorate by IC	Perchlorate	mg/Kg	0.007 N	0.009 N
04080419	S23	SAM	Percent Dry Weight (105C)	89.1	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080610	SED1	SAM	Percent Dry Weight (105C)	79.7	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080611	SED2	SAM	Percent Dry Weight (105C)	79.8	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080612	SED3	SAM	Percent Dry Weight (105C)	64.8	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.008
04080613	SED4	SAM	Percent Dry Weight (105C)	80.1	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.006
04080614	SED5	SAM	Percent Dry Weight (105C)	61	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.008
04080615	SED6	SAM	Percent Dry Weight (105C)	74	Perchlorate by IC	Perchlorate	mg/Kg	0.103 N	0.139 N
04080616	SED7	SAM	Percent Dry Weight (105C)	63.6	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.008
04080617	SED8	SAM	Percent Dry Weight (105C)	68	Perchlorate by IC	Perchlorate	mg/Kg	< 0.005	< 0.007



ORIGINAL

Perchlorate Determinations

Analyst:

Chemist

Method:

The NEW JERSEY FIREWORKS water samples (REQ04200) were analyzed for Perchlorate using EPA Method 314.0¹ (Determination of Perchlorate in Drinking Water using Ion Chromatography). The water samples were filtered through a 0.45µm syringe filter. In addition, a laboratory reagent (LRB), laboratory fortified blank (LFB), laboratory fortified blank at the maximum conductivity threshold (LFB at MCT), a matrix duplicate (LD2) and a matrix spike (LSF) were also prepared through the process. The soil samples were prepared for inorganic analysis by weighing approximately four grams of the wet soil sample. 20 mL of Milli-Q water was added to the samples and the slurry was vortexed for one minute. The prepared samples were centrifuged for 10 minutes at 2000 rpm. The liquid phase was filtered through a 0.45µm syringe filter prior to inorganic analyses using EPA Method 314.0 (Determination of Perchlorate in Drinking Water Using Ion Chromatography) on the Dionex DX-600. A laboratory reagent blank (LRB), laboratory fortified blank (LFB) and a laboratory fortified blank at the maximum conductivity threshold (LFB at MCT) were prepared and taken through the process. In addition a matrix duplicate (LD2) and a matrix spike (LSF) were also prepared for each set of 10 samples and taken through the process.

The following water samples 04080410, 04080507, 04080508, 04080513, 04080514, 04080623, 04080624, 04080625 and soil samples 04080402, 04080406, 04080407, 04080412, 04080413, 04080414, 04080415, 04080417, 04080418 and 04080615 are reported with qualifier "N" for tentative identification. A new rule effective December 2004 requires all positive results to be confirmed by MS or MS/MS. The following subset of samples (samples 04080507, 04080514, 04080410, 04080407 and 04080615) were sent to a contract lab for confirmation. Results from the contract lab should be available in early October 2004. The results from the contract lab will be reviewed promptly and the final report will be amended for these five samples based on the confirmation of perchlorate by MS.

¹ US EPA Method 314.0, Determination of Perchlorate in Drinking Water Using Ion Chromatography, Revision 1.0, November 1999



Percent Dry Weight Determinations

Analyst:

Environmental Scientist

Method:

The soil/solid samples from the NEW JERSEY FIREWORKS (REQ04200) site were analyzed for Percent Dry Weight as required by EPA analytical methods. The samples were dried at 105°C following the procedure outlined in the Region III ASQAB laboratory SOP #R3QA056.1.

These results are to be used to convert analyte concentrations to a dry weight basis for organic and non-metal analyses. Normally, analytical values are reported on a wet weight basis for organics and non-metals.

0	EPA	
---	------------	--

USEPA Contract Laboratory Program Generic Chain of Custody

Reference	Case	33178
Client No: .		R31935

SDG No:

R31935

Date Shipped: Carrier Name:	8/3/2004	Chain of Custoo	ly Record	Sampler Signature:		For Lab Use Only	У	
	FedEx	Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Contract No:		
Airbill:	843517786260	1 3	0/250 1830	Ma all 6	10:45-84.1	J.		
Shipped to:	ASQAB		a)3PT 1800	Carrael terris &	0 10:45-8.4.1	/Unit Price:		
·	USEPA Region III 701 Mapes Road	2				Transfer To:		
	Fort Meade MD 20755 (410) 305-2667	3				Lab Confract No:	*	
	(410) 500-2507	4	2. 1. 1. 2.		······································	Unit Price:	•	

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE CO		FOR LAB USE Sample Condition	
R31935-S24	Soil (0"-12")/	L/G	Percl (21)	361 (Ice Only) (1)	R31935-S24	S: 8/3/2004	10:45 0408	04-01	
R31935-S25	Soil (0"-12")/_	L/G	Percl (21)	362 (Ice Only) (1)	R31935-S25	S: 8/3/2004	10:00 - 02		
R31935-SS11	Soil (>12")/	∡ å L/G	Percl (21)	371 (Ice Only) (1)	R31935-SS11	S: 8/3/2004	12:40-03		
R31935-SS13	Šoil (>12")/	UG	Percl (21)	373 (Ice Only) (1)	R31935-SS13	S: 8/3/2004	12:10 - 04		
R31935-SS14	Soil (>12")/	L/G	Percl (21)	374 (Ice Only) (1)	R31935-SS14	S: 8/3/2004	11:35 - 05		
R31935-SS21	Soil (>12")/	L/G	Percl (21)	375 (Ice Only) (1)	R31935-SS21	S: 8/3/2004	10:05 _ 06		(
R31935-SS22	Soil (>12")/	L/G	Perci (21)	376 (Ice Only) (1)	R31935-SS22	S: 8/3/2004	10:25 - 07		
R31935-SS23	Soil (>12")/	. L/G	Percl (21)	378 (Ice Only) (1)	R31935-SS23	S: 8/3/2004	11:10 - 08		•
R31935-SS24	Soil (>12")/	, , L/G	Percl (21)	377 (Ice Only) (1)	R31935-SS24	S: 8/3/2004	10:50 - 09		
					_				

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: R31935-PW5, R31935-S13	Additional Sampler Signature(s): Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Shipment log?
Perci = Perchlorates			

3 1 . 1 1 4 5

		1775.7
28	Fedex USA Airbill Fodex 8435 1778 6260 Rumber 8435 1778 6260	Recipients Copy
	1 From This portion can be removed for Recipient's records.	Express Package Service Packages up to 150 lbs. Delivery commitment may be later in some areas.
	Date 8/3/04 FedEx Tracking Number 843517786260	PedEx Priority Overnight Next business morning FedEx Standard Overnight Next business morning FedEx Standard Overnight Next business morning FedEx Standard Overnight Next business morning
48	Sender's Pragy Smith Phone 410 537 3493	FedEx 2Day Second business day FedEx Express Saver Third business day FedEx Expelore rate not available. Minimum charars: Ine sound rate
tions	Company MARYLAND DEPT OF ENVIRONMENT	4b Express Freight Service Packages over 150 lbs. Delivery commitment may be letter in some areas.
WEEDED, application instructions.	Address 1800 WASHINGTON BLVD	FedEx 1Day Freight* FedEx 2Day Freight FedEx 3Day Freight Next business day * Call for Confirmation:
76	Q. Dept/Roor/Suite/Room	5 Packaging *Declared value limit \$500
	City BALTIMORE State MD ZIP 21230-1701	FedEx Envelope* FedEx Pak* Includes FedEx Pak
Źć	2 Your Internal Billing Reference 6565/	6 Special Handling Include FodEx address in Section 3.
Sick Sick	3 To Recipient's (UVICII Harris Phone 410 305 2625	SATURDAY Delivery Available only for FedEx Priority Overright end FedEx 20ey to select 2IP codes Does this shipment contain dangerous goods? Nature and FedEx 20ey FedEx First Overright and FedEx 20ey to select coestion
	Company EPA Environmental Science Ctr - OASQA	One box must be checked. No As per starched Shippor's Declaration Dry ICe Shippor's Declaration Dry ICe Dry I
for pee	Address 701 Marcs Rd	Dengarous Goods (including Dry Ice) cannot be shipped in FadEx packaging. Cargo Aircraft Only Payment Bill to: Obtain Recip.
NU P See back for peel	To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.	Sender Recipient Third Party Credit Card Card Card Card Card Card Card Card
See	Address DepuRoov/Suite/Room City F4 VV pade State VVD 71P 20755	
	city Ft. Meade State MD ZIP 20755	Total Packages Total Weight Total Charges
		†Our liability is limited to \$100 unless you declare a higher value. See the FedEx Service Guide for details.
		8 Release Signature Sign to authorize delivery without obtaining signature.
		Ry signing you authorize us to deliver this shipment without obtaining a signature
	0258558	By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims. Questions? Visit our Web site at fedex.com or call 1.800.66. redicts* 800.463.3339. SISS-Rev Glas-5/03-Pan (15)160-03/034-02037-6614-PRINTED IN U.S.A.

A

1

٠,٠,٥ **用数据**

2	<u> </u>	
	-	
A600	Similar I	38 . A

USEPA Contract Laboratory Program Generic Chain of Custody

Reference	Case	33178
Client No:		R31935

Client	NΩ.	

35

SDG No:

Unit Price:

Date	Shipped:	
Carel	or Namo:	

8/3/2004 FedEx

Airbill:

843517786260

ASQAB Shipped to:

USEPA Region III 701 Mapes Road Fort Meade MD 20755 (410) 305-2667

Chain of Custody	Record	Sampler Signature:	
Relinquished By	(Date / Time)	Received By (Date / To	me)
1	8304 1830	Canal Hain 84.046	1045
2			
3			

L	
I	For Lab Use Only
l	Lab Contract No:
1	Unit Price:
1	Transfer To:
١	Lab Contract No:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COL DATE/TIM		FOR LAB USE ONLY Sample Condition On Receipt
R31935-PW5	Ground Water	L/G	Perci (21)	2195 (ice Only) (1)	R31935-PW5		040804	-10
R31935-S11	Soil (0"-12")/_	L/G	Perd (21)	350 (Ice Only) (1)	R31935-S11	S: 8/3/2004	12:30 — //	
R31935-S12	Soil (0"-12")/	" L/G	Perci (21)	351 (Ice Only) (1)	R31935-S12	S: 8/3/2004	14:16 - /Z	
R31935-S13	Soil (0"-12")/	L/G	Percl (21)	352 (Ice Only) (1)	R31935-S13	S: 8/3/2004	12:05 - 13	•
R31935-S14	Soil (0"-12")/	L/G	Percl (21)	353 (Ice Only) (1)	R31935-S14	S: 8/3/2004	11:30 - 14	
R31935-S15	Soil (0"-12")	~ ⊓e	Percl (21)	354 (Ice Only) (1)	R31935-S15	8/3/04	1235 - 15	
R31935-S16	Soil (0"-12")/	<i>⊈</i> L/G	Percl (21)	357 (Ice Only) (1)	R31935-S16	S: 8/3/2004	14:06 - 16	
R31935-S21	Soil (0"-12")/	L/G	Percl (21)	358 (Ice Only) (1)	R31935-S21	S: 8/3/2004	9:55 - 17	*
R31935-S22	Soil (0"-12")/	L/G	Percl (21)	359 (Ice Only) (1)	R31935-S22	S: 8/3/2004	10:20 — 18	
R31935-S23	Soil (0"-12")/	L/G	Percl (21)	360 (Ice Only) (1)	R31935-S23	S: 8/3/2004	11:05 - 19	

Sh	ip me n	t for	Case
Co	mplet	9? N	

Sample(s) to be used for laboratory QC:

R31935-PW5, R31935-S13

Additional Sampler Signature(s)

Cooler Temperature Upon Receipt:

Chain of Custody Seal Number:

Analysis Key:

Concentration: L = Low, M = Low/Medium, H = High

Type/Designate: Composite = C, Grab = G

Custody Seal Intact?

Shipment Iced?

Percl = Perchlorates TR Number:

3-592370820-080304-0013

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

夏春 1月 2 11 4 5 29 至

Laboratories Administration
201 W. Preston Street
P.O. Box 2355, Baltimore, Maryland 21203
J. Mehsen Joseph, Ph.D., Director

"Gra
PIGINA
· **

AIR QUALITY LABORATORY BULK ASBESTOS MICROSCOPIC ANALYSIS

Y YTAUO:	:	DATI	E COLLECTED		
OURCE OF SAMPLE VC MI	colite				
		·	• :		
UBMITTED BY Progry S UBMIT RESULTS TO: (NAME/A Size 625 BWH MO	mth.	·····	SAMPLE IDEN. NO	o.: Vermiculite	#1
UBMIT RESULTS TO: (NAME/A	ADDRESS/TELEPHO	NE) Reggi	Smith, MDE,	1800 Washingto	on Blud
Ste 625 Bultimo	re MD 2	1230	410-537-34	93	
IATURE OF MATERIAL VU					
<u></u>			 		
	CHAIN OF	CUSTODY S	SAMPLE POSSESSION		·
ROMNAM		<u></u>	ТО		<u> </u>
ROMNAM					·
ROM NAM	ME/DATE/TIME		то	NAME/DATE/TIME	
RESULTS:					
SAMPLE COLOR: Tax	n green.	<u></u>			
1.			LAYERED: YES () NO(\(\times\)	
ASBESTOS FIBERS	AREA PERCENT		NON-ASBESTOS FIBERS	AREA PERCENT	
	Layer 1 Layer 2	Total		Layer 1 Layer 2	Total
CHRYSOTILE			ORGANIC		<
AMOSITE			SYNTHETIC		
CROCIDOLITE			GLASS WOOL/ROCK WOOL	L	
		<u> </u>	OTHERS:		
NON-FIBROUS PARTICULATE		> 00	LAYER 1:		
Vermiculite	,	>99	LAYER 2:		
ANALYTICAL METHOD: Ep	A 600/m4	-82-0	20 & EPA 600		
		•	DATE COMPLETED	2/5/04	
•			ANALYST(S)/DATE		
	RECEIVE	D			
	FEB 1 1 200			110-767-589	9
	LERIT SOO	, T	LAB. SUPERVISOR/DATE		
This report shall not be reproduced except in full without the written approval of the laboratory.	ERRP		(2/5/2-00 4 RESULTS FOR SAMPLE	3:
DHMH-3102 (1/98)	•		•		15M

0	EPA
Adribu.	***************************************

USEPA Contract Laboratory Program Generic Chain of Custody

Client No:

R31935

SDG No:

Date Shipped: Carrier Name:	8/4/2004	Chain of Custod	y Record	Sampler Signature:	-	For Lab Use On	ly
	FedEx	Relinguished By	(Date / Time)	Received By	(Date / Time)	Lab Contract No:	
Airbili:	843517786190	1000	8/V/04 1830		8.5.04 10:15	Unit Price:	
Shipped to:	ASQAB USEPA Region III 701 Mapes Road	2			0 0 0 1 10.18	Transfer To:	
	Fort Meade MD 20755 (410) 305-2667	3			· · · · · · · · · · · · · · · · · · ·	Lab Contract No:	
rance of the second of	والمحادث والمحارية والمرورة والمحادث المحادث والمحادث والمحادة والمحادث والم والمحادث والمحادث والمحادث والمحادث والمحادث والمحادث والمحاد	4	عام سبر عدد موزي مومد ي يعرب يي بيود			Unit Price:	
SAMPLE No.	MATRIX/ CONC/ SAMPLER TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLL DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COI DATE/TIN		FOR LAB USE ONLY Sample Condition On Receipt
R31935-GW1	Ground Water/	L/G	Percl (21)	2196 (Ice Only) (1)	R31935-GW1	S: 8/4/2004	9:40 04080	5-06
R31935-GW2	Ground Water/	L/G	Percl (21)	2197 (Ice Only) (1)	R31935-GW2	S: 8/4/2004	9:00 - 07	
R31935-GW3	Ground Water/	L/G	Percl (21)	2198 (Ice Only) (1)	R31935-GW3	S: 8/4/2004	13:25 - 08	
R31935-MW1	Ground Water/	L/G	Percl (21)	2188 (Ice Only) (1)	R31935-MW1	S: 8/4/2004	10:30 - 09	
R31935-MW1A	Ground Water/	L/G	Percl (21)	2189 (Ice Only) (1)	R31935-MW1A	S: 8/4/2004	11:10 -/0	
R31935-MW2	Ground Water/	L/G	Percl (21)	2190 (Ice Only) (1)	R31935-MW2	S: 8/4/2004	12:20 - 11	
R31935-MW3	Ground Water/	L/G	Percl (21)	2191 (Ice Only) (1)	R31935-MW3	S: 8/4/2004	13:25 — <i>[Z</i>	
R31935-MW3A	Ground Water/	· L/G	Percl (21)	2192 (ice Only) (1)	R31935-MW3A	S: 8/4/2004	14:00 - 13	
R31935-MW4	Ground Water/	L/G	Percl (21)	2193 (Ice Only) (1)	R31935-MW4	S: 8/4/2004	10:45 - 14	

			1 / (11/4)		
Shipment for Case Complete?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature	e(d): Juf Man	Cooler Temperature Upon Recelpt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate:	Composite = C, Grab = G)	Custody Seal Intact? Shipment iced?
Borol - Boroblerates	· · · · · · · · · · · · · · · · · · ·		<i>₹</i> :		

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

着64個204 529 早

Laboratories Administration
201 W. Preston Street
P.O. Box 2355, Baltimore, Maryland 21203
J. Mehsen Joseph, Ph.D., Director

	Opto May
LAB. NO	"GINA

15M

AIR QUALITY LABORATORY BULK ASBESTOS MICROSCOPIC ANALYSIS

COUNTY NA			DATE	COLLECTED			
SOURCE OF SAMPLE VY MI	iculite	<u> </u>		7 7			
SUBMITTED BY Pagy S SUBMIT RESULTS TO: (NAME/A STE 625 BULLINO NATURE OF MATERIAL VUI	mth ADDRESS/ Ne W MICULT	TELEPHON 1D 2	NE) Pagu	sample iden. N Smith, MDF 410-537-34	o.: <u>Vermi</u> 1800 l 93	Vashingto	£ 1 in Bluck
·	C	CHAIN OF	CUSTODY S	SAMPLE POSSESSION			
FROM	ME/DATE/TIME			TO	NAME/DATE/TIM	AE	
FROMNAM	ME/DATE/TIME		:	TO	NAME/DATE/TI		
FROMNAN RESULTS:	ME/DATE/TIME	ì		ТО	NAME/DATE/TI	ME	
SAMPLE COLOR:Tay	1 e.	en.	and the second				
SAMPLE COLOR:	, , , , , , , , , , , , , , , , , , ,			LAYERED: YES ()]	NO (*/)	
ASBESTOS FIBERS	AREA	PERCENT		NON-ASBESTOS FIBERS	AREA	PERCENT	
	Layer 1	Layer 2	Total		Layer 1	Layer 2	Total
CHRYSOTILE				ORGANIC			< 1
AMOSITE				SYNTHETIC			
CROCIDOLITE			<u> </u>	GLASS WOOL/ROCK WOO	L		
OTHER				OTHERS:			
NON-FIBROUS PARTICULATE			>99	LAYER 1:			
Vermiculite			799	LAYER 2:			
	<u> </u>	1			1 .		
ANALYTICAL METHOD: EP	A 60	0/m4	-82-0			,-116	
				DATE COMPLETED	2/5/0	4	
	,	THE STATE OF	1 123	ANALYST(S)/DATE			
	RE	CEWE			'n ^ - 7 6	7-589	
	FE	3 1 1 200)4 \	LAB. SUPERVISOR/DATE	410 70	1 3 2	<i>'</i>
This report shall not be reproduced except in full without the written approval of the laboratory.		ERRP		LAB. SOI ERVISORDATE) 2/5/2 I	RESULTS OF	ONLY VALID RECEIVED

DHMH-3102 (1/98)

	· · · · · · · · · · · · · · · · · · ·	
28	Fed USA Airbill Tracking 8435 1778 6190	
:	1 From This portion can be demoved for Recipient's records.	Ta Express Package Service Packages up to 150 lbs. Delivery commitment may be later in some eress.
	Date 274 0 FedEx Tracking Number 843517786190	FedEx Priority Overnight Next business afternoon Next business afternoon FedEx Standard Overnight Next business afternoon FedEx Standard Overnight FedEx Standard Overni
	Sender's Prone 410 5373493	Second dusiness day Inito dusiness day
TO TO	Company MARYLAND DEPT OF ENVIRONMENT	FedEx Envelope rate not available. Minimum charge: One-pound rate 4b Express Freight Service Packages over 150 lbs. Delivery commitment may be later in some areas.
NEEDED. application instructions.	Address 1800 WASHINGTON BLVD	FedEx 1Day Freight* FedEx 2Day Freight FedEx 3Day Freight Next business day *Call for Confirmation: *Call for Confirmation:
o'Ē	Dept/Roor/Suits/Room	
	Address 1800 WASHINGTON BLVD City BALTIMORE State MD ZIP 21230-1701	FedEx Envelope* FedEx Pak* Includes FedEx Rail Pak, FedEx
w Z	2 Your Internal Billing Reference 65651	Large Pak, and FedEx Sturdy Pak
Signal States	3 To Recipient's Carrell Harns Phone 410 305 2625	6 Special Handling SATURDAY Delivery Available only for FedEx Priority Overlight and FedEx 20ey to select ZIP codes HOLD Weekday at FedEx Location Not evaluable for FedEx Text Overnight FedEx First Overnight on FedEx First Overnight and FedEx 20ey Text Select ZIP codes
	company FPA Environmental Science Ctr- OASQA	Does this shipment contain dangerous goods? One box must be checked. Yes As per attached Shipper's Declaration not required Only Ice Dry Ice Dry Ice Dry Ice No Shipper's Declaration not required
NO P See back for peel	Address 70 Wayors Rd To "HOLD" at FedEx location, print FedEx eddress. We cannot deliver to P.O. boxes or P.O. ZIP codes,	Dangarous Goods (including Dry Ice) cennot be shipped in Fedex packaging. 7 Payment Bill to: Enter Fedex Acct. No. or Credit Cord No. below. Acct. No.
Š		Sender Recipient Third Party Credit Card Cash/Check
See	Address Oept/Roor/Suite/Room	THE RESERVE OF THE PARTY OF THE
	City C+, Meade State MD ZIP 20755	Total Packages Total Weight Total Charges
)	8435 1778 6190	†Our liability is limited to \$100 unless you declare a higher value. See the FedEx Service Guide for details. Release Signature Sign to authorize delivery without obtaining signature.
	0258658	By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnity and hold us harmless from any resulting claims. Questions? Visit our Web site at fedex.com or call 1.800. Go. Fedex* 800.483.339. SRS-Per Visit Our Part 1975/91-90/1894-7000 Fedex*-PRINTED IN U.S.A.

Horses and the property of the second

AND THE PROPERTY OF THE PROPER

0		P	Д
---	--	---	---

USEPA Contract Laboratory Program Generic Chain of Custody

31	71
	31

Client	NIA.	
Ollettic	INU.	

R31935

						050 110.	
Date Shipped:	8/5/2004	Chain of Custody Rec	ord	Sampler Signature:		For Lab Use Only	
Carrier Name:	FedEx	Reflaguished By	(Date / Time)	Received By	(Date / Time)	Lab Contract No:	
Airbill:	843517786189	1/200	1730		8.6.04 1030		
Shipped to:	ASQAB USEPA Region III	2	1	U	8.0.4 7.30	Unit Price:	
	701 Mapes Road		·			Transfer To:	
	Fort Meade MD 20755 (410) 305-2667	3		<u> </u>		Lab Contract No:	
	and the second s	or 4 mars is the majority of the second terms of the first terms of the first second terms of the second t	gaglas insula dinggala senses se senti. Dari 144 - Se - 1	The second secon	المستهمون المالية المالية الألف المستهدد	Unit Price:	

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION	SAMPLE CO DATE/TH		FOR LAB USE ONLY Sample Condition On Receipt
R31935-SED1	Sediment/	n. ≰ L/G	Percl (21)	363 (Ice Only) (1)	R31935-SED1	S: 8/5/2004	11:25	04080610
R31935-SED2	Sediment/	L/G	Percl (21)	364 (Ice Only) (1)	R31935-SED2	S: 8/5/2004	11:45	11
R31935-SED3	Sediment/	L/G	Percl (21)	365 (Ice Only) (1)	R31935-SED3	S: 8/5/2004	11:20	12
R31935-SED4	Sediment/	L/Ġ	Percl (21)	366 (Ice Only) (1)	R31935-SED4	S: 8/5/2004	10:25	13
R31935-SED5	Sediment/	L/G	Percl (21)	367 (Ice Only) (1)	R31935-SED5	S: 8/5/2004	9:50	14
R31935-SED6	Sediment/	L/G	Percl (21)	368 (Ice Only) (1)	R31935-SED6	S: 8/5/2004	9:35	15
R31935-SED7	Sediment/	∕ r\œ	Percl (21)	369 (Ice Only) (1)	R31935-SED7	S: 8/5/2004	8:50	16
R31935-SED8	Sediment/	L/G	Percl (21)	370 (Ice Only) (1)	R31935-SED8	S: 8/5/2004	8:55	17
R31935-SW1	Surface Water/	L/G	Percl (21)	379 (Ice Only) (1)	R31935-SW1	S: 8/5/2004	11:20	18
R31935-SW2	Surface Water	√G	Percl (21)	380 (ice Only) (1)	R31935-SW2	S: 8/5/2004	11:40	19

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature		cooler Temperature pon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate:	Composite = C, Grab [*] ≅ G		Custody Seal Intact? Shipment iced?
"Percl = Perchlorates					

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

NE # 4 # 2 U 4 5 29 3

Laboratories Administration 201 W. Preston Street P.O. Box 2355, Baltimore, Maryland 21203

J. Mehsen Joseph, Ph.D., Director

	ON THE
	"Glades
LAB. NO	~

15M

AIR QUALITY LABORATORY BULK ASBESTOS MICROSCOPIC ANALYSIS

OUNTY WA	;		DATI	ECOLLECTED 1/28/04			
OURCE OF SAMPLE VCM	iculite						
OURCE OF SAMPLE POSSAMPLE POSSAMPLE DEN. NO. WYMICULITY # 1 UBMITTED BY PROGY SMITH SAMPLE IDEN. NO. WYMICULITY # 1 UBMITTED BY PROGY SMITH SAMPLE IDEN. NO. WYMICULITY # 1 UBMITTED BY PROGY SMITH SAMPLE IDEN. NO. WYMICULITY # 1 UBMITTED BY PROGY SMITH SAMPLE IDEN. NO. WYMICULITY # 10 CHAIN OF CUSTODY SAMPLE POSSESSION ROM NAMEDATETIME TO NAMEDATETIME ROM NAMEDATE							
UBMITTED BY PRIGH S	mith			SAMPLE IDEN. NO	Vermi	culite =	<u> </u>
UBMIT RESULTS TO: (NAME/	ADDRESS	/TELEPHO!	VE) Pragi	Smith, MDF,	1800 V	Vastineto	n Blud
Ste 625 Bultimo	re n	1D 2	1230	410-537-34	13	9	
	1						
		THE	CHOTODY	CALOR E DOCCECCION			
		CHAIN OF	CUSTODY	SAMPLE POSSESSION	• -	,	
ROM	AED ATTENDA			TO	A METO ATTENTA	ATC.	· ·
			·	TO			
IAA	ME/DATE/TIM	E			AME/DATE/TIN	AE .	
ROMNAN	ME/DATE/TIM	E		10	AME/DATE/TIM	/E	
	1					•	
AMPLE COLOR: Tay	2 1 30	een.	<u> </u>			· · · · · · · · · · · · · · · · · · ·	
1				LAYERED: YES () 1	NO (*\times)	
		PERCENT		NON-ASBESTOS FIBERS	AREA	PERCENT	
	Layer 1	Layer 2	Total		Layer 1	Layer 2	
HRYSOTILE		·		ORGANIC			<u> </u>
MOSITE	í		<u> </u>	SYNTHETIC		-	
ROCIDOLITE	1			GLASS WOOL/ROCK WOOL			
THER		,		OTHERS:			
·				LAYER 1:			· <u>. </u>
Vermiculite		·	799	LAYER 2:			
NALYTICAL METHOD: E.P.	A 60	00 /m4	-82-0	20 & EPA 600	R-93	-116	
	*			DATE COMPLETED	2/5/0	4	
				ANALYST(S)/DATE			_
	RE	CEIVE	D	·			
	1		3	- 4	10-76	7-589	9
	FE	3 1 1 700	4	LAB. SUPERVISOR/DATE			
his report shall not be reproduced accept in full without the written	· · · · · · · · · · · · · · · · · · ·	ERRP			12/5/2	1904 RESULTS O	NLY VALH
proval of the laboratory.	`			-	F	OR SAMPLE	RECEIVE

DHMH-3102 (1/98)

0	EP/	
---	-----	--

USEPA Contract Laboratory Program **Generic Chain of Custody**

Ref	erence	Case	33178

Client No:

SDG No:

R31935

Ĭ	. حبط	•
1		

Sampler **Chain of Custody Record** Date Shipped: For Lab Use Only 8/5/2004 Signature: Carrier Name: FedEx (Date / Time) (Date / Time) Relinquished By Received By Lab Contract No: Airbill: 843517786189 1730 8.6.04 Unit Price: Shipped to: **ASQAB** USEPA Region III Transfer To: 701 Mapes Road Fort Meade MD 20755 (410) 305-2667 Lab Contract No: **Unit Price:**

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE CO DATE/TI		FOR LAB USE ONLY Sample Condition On Receipt
R31935-SW3	Surface Water/	L/G	Percl (21)	381 (Ice Only) (1)	R31935-SW3	S: 8/5/2004	11:15	04089620
R31935-SW4	Surface Water/	L/G	Percl (21)	382 (Ice Only) (1)	R31935-SW4	S: 8/5/2004	10:20	71
R31935-SW5	Surface Water(L/G	Percl (21)	383 (Ice Only) (1)	R31935-SW5	S: 8/5/2004	9:45	22
R31935-SW6	Surface Water/	L/G	Percl (21)	384 (Ice Only) (1)	R31935-SW6	S: 8/5/2004	9:30	23
R31935-SW7	Surface Water	/G	Percl (21)	385 (Ice Only) (1)	R31935-SW7	S: 8/5/2004	8:35	24
R31935-SW8	Surface Water/	L/G	Percl (21)	386 (Ice Only) (1)	R31935-SW8	S: 8/5/2004	8:40	25
R31935-SW9	Surface Wate <u>r</u> /	L/G	Percl (21)	387 (Ice Only) (1)	R31935-SW9	S: 8/5/2004	10:30	26

		dull		×.	
	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): / ////////		Chain of Custody Seal Number:	7
Complete?Y			Upon Receipt:		de
			<u> </u>		
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	✓ype/Designate: Composité = C, Grab = C	}	Custody Seal Intact? Shipment iced?	<u> </u>
Percl = Perchlorates				Late.	. [

TR Number:

3-592370820-080504-0010

	38	,	TECENO USA Airbill Fodex 8435 1778 6189 Express	Recipients Copy		
)			From This portion can be removed for Recipient's records. Date FedEx Tracking Number 843517786189	4a Express Package Service Packages up to 150 lbs. Delivery commitment may be later in some areas. FedEx Priority Overnight Next business riporning Next business riporning		
9		IL HERE	Sender's Paggy Smith Phone 410 537 3498	FedEx Day FedEx Express Saver FedEx revelope rate not available. Minimum charge: One-pound rate		
1	25	<u>.</u>	Company MARYLAND DEPT OF ENVIRONMENT	4b Express Freight Service Packages over 150 lbs. Delivery commitment may be later in some areas.	888	878.X
9	ii.	ECIPIENT:	Address 1800 WASHINGTON BLVD	FedEx 1Day Freight* FedEx 2Day Freight Second business day *Cell for Confirmation: FedEx 3Day Freight Third business day	0	
9	NEEDED. application instructions.	Œ	City BALTIMORE State MD ZIP 21230-1701	5 Packaging PedEx Envelope* FedEx Pak* Other	0	*****
0		_	Your Internal Billing Reference 6565/ To Recipient's Carroll Harns Phone 410 305 2625	Special Handling SATURDAY Delivery Available only for FedEx Priority Overright and FedEx 2Day to select ZIP codes Not available for FedEx Priority Overright FedEx First Overright Not available for FedEx Priority Overright FedEx Priority Overright FedEx Priority Overright FedEx 2Day to	9	
0	NO POUCH See back for peel and stick		company EPA Environmental Science (tr-0ASQA	Does this shipment contain dangerous goods? No Yes Yes		1 2 2 2 2 22
9	back for		Address 70 Wage(S Kd To "HOLD" at FedEx location, print FedEx address. / We counted deliver to P.O. boxes or P.O. ZIP codes. Address	7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Sender Recip. Acct. No. Acct. No. Credit Card Card Card Card Card Card Card Card	Ĵ	
	See		Dept/Roor/Sute/Room		nnn	300,000
0			City TI. Meade State MD ZIP 20755	Total Packages Total Weight Total Charges		
0			//////////////////////////////////////	†Our liability is limited to \$100 unless you declare a higher value. See the FedEx Service Guide for details. Release Signature Sign to authorize delivery without obtaining signature.	.5	
0			0258458	By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims. Cuestions? Visit our Web site at fedex.com or call 1.800, Go. FedEx* 800.463.3339. SRS-Rev Cate 5/03-Part #157510-@1994-2003 FedEx-PRINTED IN U.S.A		

The state of the s

AHDHO